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RIYADH (AFFILIATE)

PUBLIC VERSION

January 15, 2002

Inv. No. 201-TA-73 (Remedy Phase)
Total Pages: 8 and 4 Attachments

Business proprietary information was
removed from the attached pages.

VIA FACSIMILE

Ms. Gloria Blue
Executive Secretary
Trade Policy Staff Committee
Office of the United States Trade Representative
600 17th Street, N.W.
Washington, D.C. 20508

**Re: Certain Steel Products: Additional Documentation for Purchasers' Tin Mill
Product Exclusion Requests**

Dear Ms. Blue:

On behalf of the Can Manufacturers' Coalition ("CMC"), we hereby submit additional supporting documentation for the confidential exclusion requests the CMC submitted to the Trade Policy Staff Committee on November 13, 2001. The revised public version of the CMC's request is contained in [X-160-CMC-revised.PDF](#) and [X-160-CMC-revised1.PDF](#) on USTR's website.

PUBLIC VERSION

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In particular, we provide additional documentation for exclusion request numbers 2-5 of the CMC's request. These products include EOLE ends, EOLE tabstock, wide width D&I two-piece food can stock, and single reduced tin free steel used for draw/redraw salmon cans. This additional documentation is being provided based on discussions with and requests from officials at the U.S. Department of Commerce.

Pursuant to 15 C.F.R. § 2003.6 and 66 Fed. Reg. 54321, 54323 (Oct. 26, 2001), we hereby request that confidential treatment be accorded to the business proprietary information contained in brackets in this submission. This information is highly confidential business information of one of CMC's members, public disclosure of which would cause serious competitive harm to each of the companies involved. The bracketed information includes extremely sensitive data and confidential company-specific information that is not available to the general public. The non-confidential version of this submission is clearly marked as such. The non-confidential version does not contain summarization of business confidential information, as the information is incapable of summary.

If you have any questions regarding this matter, please do not hesitate to contact the undersigned.

Respectfully submitted,

/s/ Valerie A. Slater

Valerie A. Slater, Esq.

S. Bruce Wilson, Esq.

Wendy E. Kamenshine, Esq.

AKIN, GUMP, STRAUSS, HAUER &
FELD, LLP

Counsel to the Can Manufacturers'
Coalition

PUBLIC VERSION

**BEFORE THE
OFFICE OF THE UNITED STATES TRADE REPRESENTATIVE**

_____)
In the Matter of:)
)
Section 201 Investigation)
of Certain Steel Imports)
_____)

AFFIDAVIT OF SCOTT BEDNARCIK

Scott Bednarcik, being first duly sworn, hereby states as follows:

1. I am the Director of Metals Procurement for Crown Cork and Seal, Co., Inc. ("Crown"), a major purchaser of tin mill products. I have held this position since April 2000 and have been involved in the can industry for 14 years. I am responsible for all of Crown's purchases of tin mill products. I provide this affidavit to supply the Trade Policy Staff Committee (TPSC) with documentation further supporting the information previously provided in Crown's exclusion requests. Crown submitted the confidential version of its exclusion requests as part of the Can Manufacturers' Coalition's November 13, 2001 submission to the TPSC.

2. Crown is one of the largest purchasers of tin mill products in the United States. We use tin mill products at our over 20 establishments throughout the United States which produce various types of steel containers, including food cans, aerosol cans, closures and “crowns” (i.e., bottle caps). As described in all of the Can Manufacturers’ Coalition’s submissions to the International Trade Commission and to USTR, approximately [****] of Crown’s tin mill supplies for its U.S. operations are sourced from U.S. tin mill producers. Therefore, Crown’s exclusion requests are solely for products that it cannot currently or in the immediate future obtain from domestic producers. Furthermore, where possible, Crown is working closely with domestic producers to qualify them for these products, as Crown would prefer to source these products from domestic suppliers.

3. Can Manufacturers’ Coalition Exclusion Request Number 2, X-160-CMC-revised.pdf, EOLE Endstock: The endstock for “Easy Opening, Low Energy” (EOLE) cans are the pull top end-units with tabs that are currently being used for such products as vegetables, meat, soups, and pet food cans. There is no U.S. produced substitute for Crown’s EOLE ends, as it is a new product with particular metallurgical and chemical properties. Crown’s EOLE ends require steel with a combination of extra-clean quality and certain unique physical properties that the U.S. mills currently cannot supply. As with all of its products, Crown would like for the domestic producers to supply this product, but presently and in the foreseeable future, the EOLE ends are not available domestically. Crown requires [*****
*****].

4. EOLE ends are manufactured by [*****
*****]

*****]

5. Crown has not been able to qualify any domestic tin mill supplier for the material required for EOLE ends. In mid-2000, Crown [*****

*****]

6. As a result of these unsuccessful trials, Crown concluded that domestic mills [*****
*****] for their EOLE endstock to be able to satisfy

Crown's requirements. Of the domestic producers, only [*****

*****]

7. Crown provided [*****

*****] with Crown. However, it is uncertain whether these coils will qualify. In addition, even if the coils that are about to be tested are sufficient, full qualification would normally take an additional one to two years. Crown hopes the domestic producers currently attempting qualification will succeed, but has no guarantees. Failure to qualify the EOLE endstock in the United States will require Crown to continue importing ends [*****] to meet current customer requirements.

8. Can Manufacturers' Coalition Exclusion Request Number 3, X-160-CMC-revised.pdf, EOLE Tabstock: EOLE tabs are the pull-tabs that are attached to Crown's EOLE ends. Crown's Massillon, Ohio plant uses 0.30mm double reduced galvanized and coil laquered tabstock. The tabstock requires an electrolytic zinc coating to give galvanic protection to the

cut edge and to prevent rusting during food processing. No U.S. produced substitute exists for the EOLE tabstock and Crown requires [*****] of this product. In fact, for the [*****] for production of the EOLE tabstock.

9. Crown held discussions with [*****]
[*****] of the EOLE tabstock. However, [*****]
[*****] Crown requires. Furthermore, [*****]
[*****] As shown in **Attachment 2**, Crown began using [*****]
[*****]
[*****]
[*****]
[*****]
[*****]
[*****]
[*****] for the EOLE tabstock, but there is no certainty as to when this product would be [*****]
[*****] None of the other domestic producers offer zinc coated tabstock.

10. Can Manufacturers' Coalition Exclusion Request Number 4, X-160-CMC-revised.pdf, Wide Width Drawn & Ironed ("D&I") Two-Piece Can Stock: [*****]

 *****] Crown is required to
 import wide width product because the domestic mills are not capable of producing this
 product. On Crown's product lines, [*****

 *****] In Crown's
 November 13, 2001 submission to USTR, Crown requested an exclusion for widths greater
 than 37 inches wide, because no domestic supplier is currently able to supply the D&I
 material that Crown requires in widths greater than 37 inches. Crown's requirements,
 however, are for wide width product that begins at 42 inches and above.

11. The most recent product limit guides that Crown has received from the domestic tin mill producers clearly demonstrate that no domestic producer is offering the wide width product that Crown requires. For Bethlehem, for "1CRETP- Single Reduced Electrolytic Tin Plate," the maximum width it can provide for a base weight of 95 to 135 inclusive, with a nominal thickness of .0105 to .0149 inclusive and a type T4-CA temper, as Crown requires for its D&I two-piece cans, is 37 inches. See Attachment 3. This same information is reflected on Bethlehem's website as of January 11, 2002. See http://www.bethsteel.com/customers/prod_tin.shtml (copy at **Attachment 3**). For other domestic producers, the maximum widths are as follows: U.S. Steel – 36.5 inches, USS Posco – 36.375, Weirton Steel – 37.25, and National Steel – 37.5. See Attachment 3 providing specification limits from each of the domestic producers, including for

completeness, a product limit guide from LTV for the Indiana Harbor mill, which shows a maximum width of 37 inches. As shown in **Attachment 3**, Crown understands that in a joint venture with Wheeling Pittsburgh, Ohio Coatings Company is now capable of a maximum of a 40 inch coil in Yorkville, Ohio, [*****

*****] a maximum of 40 inches does not satisfy the “wide width” product that Crown requires.

12. Can Manufacturers’ Coalition Exclusion Request Number 5, X-160-CMC-revised.pdf

Draw/Redraw for Salmon Cans: In 1992, [*****

*****]
*****]

13. Crown is currently in the process of [*****

****] could qualify with Crown, Crown must then qualify the product with its customer.

Salmon is only canned for a short period in the summer each year. Therefore, at best, Crown

would not be able to [*****

*****]

Therefore, for the foreseeable future, Crown's only option is to source this product from foreign suppliers.

/s/ Scott Bednarcik
Scott Bednarcik

STATE OF PENNSYLVANIA)
) ss.
)

Subscribed and sworn to before me this _____ day of January 2002.

Notary Public

My commission expires: _____

Attachment 1

Exhibit not susceptible to public summary.

Attachment 2

Exhibit not susceptible to public summary.

Attachment 3

Products - Services - Solutions

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Tin Mill Products

- [Click here to print PDF file](#)

- [Suggestions to Buyers](#)
- [1CRETP - Single Reduced Electrolytic Tin Plate](#)
- [1CRECCS - Single Reduced Electrolytic Chromium Coated Steel](#)
- [1CRBP - Single Reduced Black Plate](#)
- [2CRETP - Double Reduced Electrolytic Tin Plate](#)
- [2CRECCS - Double Reduced Electrolytic Chromium Coated Steel](#)
- [2CRBP - Double Reduced Black Plate](#)
- [Glossary](#)

[Back to Products](#)

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Tin Products

* 1CRET[®]-Single Reduced Electrolytic Tin Plate

Options

Tin Coating

- a. Regular or differential.
- b. Marking system. If differential-lines or geometric.
- c. Matted (Bright).

Base Metal Finish:

- a. 7C (Stone)
- b. 7B
- c. 5C (Shot Blast).
- d. Other-Inquire

Surface Treatment:

- a. CDC (Cathodic Dichromate-normally furnished when treatment not specified).
- b. SDCD (Sodium Dichromate Dip).

Oiling:

- a. ATBC (Acetyl Tributyl Citrate).

Limitations

Tin Coating Weights

Standard Coating Weights are: No. 05, No. 10, No. 15, No. 20, No. 25, No. 50, No. 75, No. 100, No. 05/20, No. 05/25, No. 10/20, No. 20/25, No. 20/30, No. 20/50, No. 20/60, No. 20/75, No. 20/100, No. 25/50, No. 25/75, No. 25/100, No. 25/135, No. 50/75, No. 50/100

Note: Other than above-Subject to Inquiry.

Minimum Ordered Widths

Coils and Cut Sizes

Base Weight	Nominal Thickness-Inches	Minimum Ordered Width-Inches
70 To 135 Incl.	.0077 To .0149 Incl.	26

Maximum Ordered Widths

Coils and Cut Sizes

Base Weight	Nominal Thickness- Inches	Maximum Ordered Width-Inches						
		Type D		Type L&MR				
		Temper.		Temper				
		T1-BA	T2-BA	T1-BA	T2-BA	T3-BA	T4-CA	T5-CA
70 to 74 Incl.	.0077 to .0081 Incl.	-	-	-	-	34	-	34
75 to 79 Incl.	.0083 to .0087 Incl.	-	34	-	34	35	35	36
80 to 89 Incl.	.0088 to .0098 Incl.	34	34	34	34	36	36	36
90 to 944 Incl.	.0099 to .0103 Incl.	34	35	34	35	36	37	37
95 to 135 Incl.	.0105 to .0149 Incl.	35	35	35	35	36	37	37

Lengths

Cut Sizes

Base Weight	Nominal Thickness- Inches	Minimum Length- Inches	Maximum Length- Inches
70 To 135 Incl.	.0077 to .0149 Incl.....	18	43

Note: Widths and lengths other than above-Inquire.



Products • Services • Solutions

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Customers

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- QuickPLATE™
- Steel Inventories
- Technical Support
- Sales Offices
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Suppliers

- Supplier Diversity
- Supplier Recognition
- Gifts & Entertainment Policy
- Invoice Status
- Obtain Invoice Status UserID

Tin Products*** 1CRETP-Single Reduced Electrolytic Tin Plate****Options****Investors**

- 2001 Financials
- 2000 Financials
- Other Information

Tin Coating

- a. Regular or differential.
- b. Marking system. If differential-lines or geometric.
- c. Melted (Bright).

Employees

- Our Culture
- HR Programs
- Current Job Opportunities
- Open Enrollment

Base Metal Finish:

- a. 7C (Stone)
- b. 7B
- c. 5C (Shot Blast).
- d. Other-Inquire

Public Policy

- Trade/ Section 201

Surface Treatment:

- a. CDC (Cathodic Dichromate-normally furnished when treatment not specified).
- b. SDGD (Sodium Dichromate Dip).

Oiling:

- a. ATBC (Acetyl Tributyl Citrate).

Limitations**Tin Coating Weights**

Standard Coating Weights are: No. 05, No. 10, No. 15, No. 20, No. 25, No. 50, No. 75, No. 100, No. 05/20, No. 05/25, No. 10/20, No. 20/25, No. 20/30, No. 20/50, No. 20/60, No. 20/75, No. 20/100, No. 25/50, No. 25/75, No. 25/100, No. 25/135, No. 50/75, No. 50/100

Note: Other than above-Subject to Inquiry.

Minimum Ordered Widths

Coils and Cut Sizes



Base Weight	Nominal Thickness-Inches	Minimum Ordered Width-Inches
70 To 135 Incl.	.0077 To .0149 Incl.	26

Maximum Ordered Widths Coils and Cut Sizes

Base Weight	Nominal Thickness- Inches	Maximum Ordered Width-Inches						
		Type D		Type L&MR				
		Temper		Temper				
		T1-BA	T2-BA	T1-BA	T2-BA	T3-BA	T4-CA	T5-CA
70 to 74 Incl.	.0077 to .0081 Incl.	-	-	-	-	34	-	34
75 to 79 Incl.	.0083 to .0087 Incl.	-	34	-	34	35	35	36
80 to 89 Incl.	.0088 to .0098 Incl.	34	34	34	34	36	36	36
90 to 944 Incl.	.0099 to .0103 Incl.	34	35	34	35	36	37	37
95 to 135 Incl.	.0105 to .0149 Incl.	35	35	35	35	36	37	37

Lengths Cut Sizes

Base Weight	Nominal Thickness-Inches	Minimum Length-Inches	Maximum Length-Inches
70 To 135 Incl.	.0077 to .0149 Incl.....	18	43

Note: Widths and lengths other than above-Inquire.

1CRECCS-Single Reduced Electrolytic Chromium Coated Steel

Options

Base Metal Finish:

- a. 7C (Stone)
- b. 5C (Shot Blast).
- c. Other-Inquire

Oiling:

- a. ATBC (Acetyl Tributyl Citrate).
- b. BSO (Butyl Stearate).

Limitations

Minimum Ordered Widths Coils and Cut Sizes

Base Weight	Nominal Thickness-Inches	Minimum Ordered Width-Inches
70 To 135 Incl.	.0077 To .0149 Incl.	26

Maximum Ordered Widths Coils and Cut Sizes

		Maximum Ordered Width-Inches

Base Weight	Nominal Thickness- Inches	Type D		Type L&MR				
		Temper		Temper				
		T1-BA	T2-BA	T1-BA	T2-BA	T3-BA	T4-CA	T5-CA
70 to 74 Incl.	.0077 to .0081 Incl.	-	-	-	-	34	-	34
75 to 79 Incl.	.0083 to .0087 Incl.	-	34	-	34	35	36	36
80 to 128 Incl.	.0088 to .0141 Incl.	35	35	35	35	36	37	37

Lengths Cut Sizes

Base Weight	Nominal Thickness- Inches	Minimum Length- Inches	Maximum Length- Inches
70 To 128 Incl.	.0077 to .0141 Incl.....	18	43

Note: Widths and lengths other than above-Inquire

1CRBP-Single Reduced Black Plate

Options

Base Metal Finish:

- 5A (Velvet)
- 7C(Stone).
- 7B.

Surface Treatment and Oiling:

Surface Treatment and Oiling:

- As Rolled - Uncontrolled residual rolling oil level not suitable for coating/lithography without prior cleaning by customer
- Oiled - Uncontrolled oil level not suitable for coating/lithography without prior cleaning by customer
- Dry
- Cleaned and Oiled - Light chemical treatment plus ATBC or BSO oil.
- Full Finish - Heavier chemical treatment for rust protection plus ATBC or BSO oil.

Limitations

Minimum Ordered Widths Coils and Cut Sizes

Base Weight	Nominal Thickness-Inches	Minimum Ordered Width-Inches
70 To 128 Incl.	.0077 To .0141 Incl.	26

Maximum Ordered Widths Coils and Cut Sizes

As Rolled, Oiled or Dry Black Plate

Base Weight	Nominal Thickness-Inches	Maximum Ordered Width-Inches						
		Type D		Type L&MR				
		Temper		Temper				
		T1-BA	T2-BA	T1-BA	T2-BA	T3-BA	T4-CA	T5-CA
70 to 74 Incl.	.0077 to .0081 Incl.	-	-	-	-	34	-	34
75 to 79 Incl.	.0083 to .0087 Incl.	-	34	-	34	35	36	37
80 to 128 Incl.	.0088 to .0141 Incl.	36	36	36	36	36	37	37

Maximum Ordered Widths Coils and Cut Sizes

Chemically Treated (Cleaned and Oil or Full Finish)

Base Weight	Nominal Thickness-Inches	Maximum Ordered Width-Inches						
		Type D		Type L&MR				
		Temper		Temper				
		T1-BA	T2-BA	T1-BA	T2-BA	T3-BA	T4-CA	T5-CA
70 to 74 Incl.	.0077 to .0081 Incl.	-	-	-	-	34	-	34
75 to 79 Incl.	.0083 to .0087 Incl.	-	34	-	34	35	36	35
80 to 128 Incl.	.0088 to .0141 Incl.	35	35	35	35	36	37	37

Lengths Cut Sizes

Base Weight	Nominal Thickness-Inches	Minimum Length-Inches	Maximum Length-Inches
70 To 128 Incl.	.0077 to .0141 Incl.....	18	43

Note: Widths and lengths other than above-Inquire.

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PROCEDURE: PM-GS&T

REVISION: 4

DATE: 02/23/00

PAGE: 1 OF 4

TIN MILL PRODUCTS

SUBJECT: SINGLE REDUCED ELECTROLYTIC TINPLATE (1CR ETP)

APPROVAL:

TITLE: GENERAL MANAGER-TIN MILL PROD.

SIGNATURE:

COAT 30# AND LIGHTER

BASIS WEIGHT	MAXIMUM WIDTH INCHES			
	BOX ANNEAL	TEMPER	TEMPER	TEMPER
73				
75-78				
80-98				
100-135				

MARKINGS

#5 ETL COAT HVR THAN 30#

TOP SURFACE	BOTTOM SURFACE
SINGLE LINE MARK	SQUARE MARK
LINE MARK	CIRCLE MARK
LINE MARK	DIAMOND MARK
LINE MARK	HEXAGON MARK
LINE MARK	SINE WAVE MARK

COAT HVR THAN 30#

BASIS WEIGHT	MAXIMUM WIDTH INCHES			
	BOX ANNEAL	TEMPER	TEMPER	TEMPER
73				
75-78				
80-98				
100-135				

#6 ETL COAT 30# AND LIGHTER

TOP SURFACE	BOTTOM SURFACE
SINGLE LINE MARK	SQUARE MARK
LINE MARK	CIRCLE MARK
LINE MARK	DIAMOND MARK
LINE MARK	HEXAGON MARK
LINE MARK	SINE WAVE MARK

NOTE: MARKINGS ON MELTED FINISH ONLY

MARKINGS PER ASTM STD

EXCEPTIONS AND MODIFICATIONS

QUALITY

CHEMISTRY

ALL GRADES FURNISHED AS CAST
TYPED D, J, K, THROUGH E, ONLY

FINISHES

SB, IC, SD, E, B, AND G
NOTE: 7. BE FINISH MINIMUM 20# COAT

CHEMICAL TREATMENT: 1CR ETP

100 (SDCD) ID
311 (CDC)
310 (MOD, CDC) BY INQUIRE ONLY
NO CHEM TREAT (INQUIRE ONLY)

TEMPER

COAT HVR THAN 10# T, 17-20-3 BA AND
E3 CA BY INQUIRE ONLY
BATTERY JACKETS BY INQUIRE ONLY

COATING WEIGHTS

AS DEFINED IN PRICE BOOK
FINISH MINIMUM 20# COAT
TYPES J AND K MINIMUM 30# COAT
COAT > 30# MUST BE MELTED

MANUFACTURING

COIL LENGTHS INQUIRE ONLY
COILS: ID 16-1/2" STANDARD, 20" ID 1CR ONLY
MOD MAY
MINIMUM ITEM QUANTITY 70,000#
MINIMUM WIDTH 29-1/8"
1/4" OVERRUN PROVIDED ON WIDTHNOTE: EXCEPTIONS TO THE ABOVE GUIDELINES
MUST BE INQUIRED

Date: 04/13/98

USS-POSCO INDUSTRIES

AUTHORIZED PRODUCTS MANUAL

TIN MILL PRODUCTS INFORMATION

General Tin Mill Products

1. All new Applications and/or customers require Customer Technical Service (CTS) approval and must also be inquired.
2. All products are Continuously Annealed.
3. A 16-1/4" ID is standard. A 20" ID is subject to inquiry (requires additional processing).
4. All coils may contain welds. No weld orders must be inquired and approved by CTS and Operating.
5. Type L or Type MR is available.
6. Blackplate Notes:
Only available as Single Reduced
Provided Dry (No Oil) Only with a Rust Disclaimer
7. Tin Coating Weight Notes:
Straight Coating Weights of .05 - .30 lb/bb available in .05 increments, upto straight .50.
Straight .75 or 1.00 lb/bb Subject to Inquiry and Approval by Operating.

Differential Coating Weights in .05 increments available.

.05 and .10 Differential, Non-Standard Coating Weights, and Sine Marking on > .50 lb/bb
Subject to Inquiry and Approval by Operating.

BW <= 135# Available as Melted (Bright) or Matte (Unmelted) and must be specified.
8. Heavy Basis Weights (> 135#) Notes:
Heavier than 135 BW only accepted on T-1 or T-2 orders.
Heavier than 165 BW only accepted on T-1 orders.
Heavier than 165 BW must be inquired and accepted by Operating.
Heavier than 165 BW must have customer acceptance of a "saw-tooth" edge condition.
No orders accepted over 186 BW.
Tin Coatings accepted as Matte (Unmelted) only.
Tin Coating Weights heavier than .25 lb/bb must be inquired and accepted by Operating.

STEEL MILL CAPABILITIES SURVEY
USS-POSCO INDUSTRIES
Pittsburg, California

1. Current commercial tin mill capabilities

- **Gauge minimums**

- SR: 70 BWT
- DR: 53 BWT

- **Range of Products/ coil widths**

- All products are CA. SR is available in T-1, T-2, T-3, T-4, and T-5. DR is available in DR8 and DR9.
- T-1: 107 BWT - 165 BWT, widths 29.00" - 36.50"
- T-2: 95 BWT - 135 BWT, widths 29.00" - 36.50"
- T-3: 85 BWT - 135 BWT, widths 29.00" - 36.50"
- T-4: 75 BWT - 135 BWT, widths 28.00" - 36.375"
- T-5: 70 BWT - 135 BWT, widths 28.00" - 36.375"
- DR8: 53 BWT - 105 BWT, widths 29.00" - 32.75" on 53 BWT, 29.00" - 35.25" on 55 BWT, and 29.00" - 36.125" on 63-105 BWT.
- DR9: 60 BWT - 105 BWT, widths 29.00" - 35.25" on 60 BWT, 29.00" - 36.125" on 63 - 105 BWT.

T-4, T-5, DR8, and DR9 include both ETP and TFS. There are no immediate future plans to be able to produce wider plate.

2. Coating:

ETP: Straight coating weights of .05 - .30 lb/BB available in .05 increments, up to straight .50 lb/BB. Straight .75 or 1.00 lb/BB subject to inquiry and approval by operating. Differential coating weights in .05 increments available.

TFS: In accordance with ASTM Specifications.

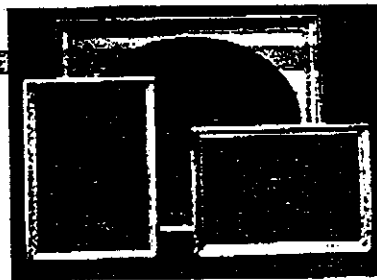
3. Significant mill improvements and capital investments

- New thickness gauges on Cold Mill to give us continued tight gauge tolerance.
- Continuous Annealing Line speed-up project
- Computer Systems Level II upgrades to give us more consistent and tighter processing conditions.



PROPRIETARY TREATMENT
REQUESTED

weirton®
TIN MILL PRODUCTS
Pricing List



All prices effective January 2, 2001

WEIRTON STEEL

TIN MILL PRODUCT LIMITS

Temper	Gauge Range		Base Weight (pounds/BB) Slt (100m2)		Width		Coating Appearance
					Minimum	Maximum*	
CA-DR8	.0057	.0062	52	55	26	36.25	Reflow or Matte
CA-DR9	.0063	.0077	56	70	26	36.75	Reflow or Matte
	.0078	.0104	71	95	26	37.25	Reflow or Matte
	.0083	.0083	70	74	26	36.25	Reflow or Matte
CA-T4	.0084	.0099	75	89	26	36.75	Reflow or Matte
CA-T5	.0100	.0141	90	128	26	37.25	Reflow or Matte
	.0142	.0165	129	150	26	38	Reflow or Matte
	.0166	.0250	151	225	26	38	Matte Only
BA-DR8	.0057	.0104	52	95	24	37.25	Reflow or Matte
BA-T1	.0077	.0165	70	150	24	37.25	Reflow or Matte
BA-T2	.0166	.0220	151	200	24	37.25	Matte Only
BA-T3	.0221	.0250	201	225	24	36.4375	Matte Only

K-Plate is available up to 135 base weight. Inquire beyond 135
Standard Tin Plate ID is 16.5" (419.1mm). Inquire on other IDs.

Standard Tin Plate Oiling is
ATBC (acetyl tributyl citrate)

bb=base box

*Actual
Width

Metric (Millimeters)

NATIONAL STEEL - TIN MILL PRODUCTS

*** CAPABILITIES ***

National Steel's Midwest Division produces a full range of Tin Mill products (a.k.a. Container Products) as Electrolytic Tin Plate (ETP), Electrolytic Chromium Coated Steel (ECCS), Black Plate Full Finish (BPFF) and Black Plate as Rolled (BPAR), along with Electrolytic Tin Coated Sheet (TCS). These products offer our customers a "Rainbow of Opportunities" with such diverse applications as food containers, general line containers, electronic components, oil filters, decorative trim, building components, automotive applications, and much more. This brochure is designed to familiarize you with the common terms used to order and specify tin mill products, and define the product properties available to you for your application(s).

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Product Limits are National Steel's production capabilities relative to the maximum coil ship width available for a given product type (Tin, Chrome, and Black Plate), finished thickness range (Base Weight), and temper designation. All Tin Mill Products produced at National Steel are in coil form and the footnotes at the bottom of each table show the minimum width available, coil eye size, toll processing options, etc.

PRODUCT LIMITS - SINGLE REDUCED COILS ^{A, B, C}

PRODUCT LIMITS - SINGLE REDUCED COILS ^{A, B, C}							
Product	Base Weight Lb. [mm]	T-1 BA [T49]	Maximum Actual Coil Width ^{A, B, C} , Inch [mm]				
			T-2 BA [T53]	T-2.5BA [T55]	T-3 BA/ CA [T57]	T-4 CA [T61] ^D	T-5 CA [T65]
Electrolytic Tin Plate (ETP)							
	ICRETP						
	73 - 74 [0.203 - 0.206] ^F	33.5 [851]	34.0 [864]	34.5 [876]	34.5 [876]	35.0 [889]	35.5 [902]
	75 - 79 [0.211 - 0.221]	33.5 [851]	34.0 [864]	34.5 [876]	34.5 [876]	36.5 [927]	36.5 [927]
	80 - 84 [0.224 - 0.234]	34.5 [876]	35.0 [889]	35.5 [902]	35.5 [902]	36.5 [927]	37.0 [940]
	85 - 94 [0.239 - 0.262]	35.5 [902]	36.0 [914]	36.5 [927]	36.5 [927]	37.0 [940]	37.5 [952]
	95 - 104 [0.267 - 0.290]	36.5 [927]	37.0 [940]	37.0 [940]	37.0 [940]	37.0 [940]	37.5 [952]
	105 - 135 [0.295 - 0.378]	36.5 [927]	37.0 [940]	37.0 [940]	37.0 [940]	37.5 [952]	37.5 [952]
Electrolytic Chromium Coated Sheet (ECCS)							
	ICRECCS						
	73 - 74 [0.203 - 0.206] ^F	33.5 [851]	34.0 [864]	34.5 [876]	34.5 [876]	35.0 [889]	35.5 [902]
	75 - 79 [0.211 - 0.221]	33.5 [851]	34.0 [864]	34.5 [876]	34.5 [876]	36.5 [927]	36.5 [927]
	80 - 84 [0.224 - 0.234]	34.5 [876]	35.0 [889]	35.5 [902]	35.5 [902]	36.5 [927]	37.0 [940]
	85 - 94 [0.239 - 0.262]	35.5 [902]	36.0 [914]	36.5 [927]	36.5 [927]	37.0 [940]	37.5 [952]
	95 - 104 [0.267 - 0.290]	36.5 [927]	37.0 [940]	37.0 [940]	37.0 [940]	37.0 [940]	37.5 [952]
	105 - 135 [0.295 - 0.378]	36.5 [927]	37.0 [940]	37.0 [940]	37.0 [940]	37.5 [952]	37.5 [952]
Black Plate Full Finish (BPFF) and Black Plate as Rolled (BPAR)							
	ICRBPF/ICRBP						
	73 - 74 [0.203 - 0.206] ^F	33.5 [851]	34.0 [864]	34.5 [876]	34.5 [876]	35.0 [889]	35.5 [902]
	75 - 79 [0.211 - 0.221]	33.5 [851]	34.0 [864]	34.5 [876]	34.5 [876]	36.5 [927]	36.5 [927]
	80 - 84 [0.224 - 0.234]	34.5 [876]	35.0 [889]	35.5 [902]	35.5 [902]	36.5 [927]	37.0 [940]
	85 - 94 [0.239 - 0.262]	35.5 [902]	36.0 [914]	36.5 [927]	36.5 [927]	37.0 [940]	37.5 [952]
	95 - 104 [0.267 - 0.290]	36.5 [927]	37.0 [940]	37.0 [940]	37.0 [940]	37.0 [940]	37.5 [952]
	105 - 135 [0.295 - 0.378]	36.5 [927]	37.0 [940]	37.0 [940]	37.0 [940]	37.5 [952]	37.5 [952]
Black Plate Full Hard (BPFH)							
	CRBPFH						
	85 - 90 [0.239 - 0.251]				36 [915]		
	91 - 135 [0.254 - 0.378]				40 [1015]		
^A Coil ID's are 16.5 inches [420 mm]. ^B Coil width is 36 inches [915 mm]. ^C Coil width is 40 inches [1015 mm]. ^D Coil width is 37.5 inches [952 mm].							

^A Coil ID's are 16.5 inches [420 mm].

^B Coil weights (minimum and maximum) with or without welds are subject to negotiation.

^C Outside toll shearing, slitting, and/or organic coating is available upon inquiry only.

^D Ordered mill coil width is always specified as 1/8" [6mm] less than actual width.

^E Width tolerance is -0, +1/8" [-0, +3 mm], unless otherwise negotiated.

^F Coil widths greater than the maximum are subject to negotiation.

^G Minimum mill coil width is 28 inches [710 mm]. Coils widths less than the minimum are subject to negotiation.

^H Wider widths are available for Drawn and Ironed (D&I) applications, please see next page.

^I Below 73 lb. [0.203 mm], please inquire.

ELECTROLYTIC TIN PLATE
SINGLE REDUCED

ALQUIPPA

Basis Weight Lbs.	Temper	Steel Type	Ordered Width	
			Min.	Max.
65	Inquire	Inquire	Inquire	Inquire
70	BA-T3, T4 CA-T4, T5	L, MR, D	26 28	36 34
75	BA-T2, T3, T4 CA-T4, T5	L, MR, D	26	36
80-135 Incl.*	BA-T1, T2, T3, T4 CA-T4, T5	L, MR, D	26	36

*Special Quality J or K plate available Allquippa only. Maximum base weight 107 lb. Minimum 80 lb.
J or K plate available only as T4CA or T5CA.

INDIANA HARBOR

Basis Weight Lbs.	Temper	Steel Type	Ordered Width	
			Min.	Max.
65	Inquire	Inquire	Inquire	Inquire
70	BA-T2, T3, T4 CA-T4, T5	L, MR, D	26 28	36 34
75	BA-T2, T3, T4 CA-T4, T5	L, MR, D	26	37
80-135 Incl.	BA-T1, T2, T3, T4 CA-T4, T5	L, MR, D	26	37

WHEELING-PITTSBURGH

10-09-01

**Ohio Coatings Company
Fact Sheet**

Location: 2100 Tin Plate Place
Yorkville, OH 43971

Line Type: Ferrostan Electrolytic Plating Line
with MSA Electrolyte

Annual Capacity: 250,000 Tons

Line Speed: 1,500 feet per minute (450 meters per minute)

Length of Line: 557 feet

Amount of Strip in the Line: 4,334

Dimensional Limits:

Thickness: 0.006" to 0.025"
0.151 mm to 0.50 mm
(55 lb. B.W. ETP to 0.025" Tin Coated Sheet)

Widths: 20.50" to 40.0" (Actual Width)

Coil Sizes at Exit: ID 16.5" (419 mm)
OD 72" max (1800 mm)

Tin Coating Range: Up to No. 100 Ctg.

Temper: Tin Plates: SR T1-T5 DR8 & DR9
Tin Coated Sheet: CQ, DQ, DQAK

Tension Leveler: Danjell-Wean

Tin Reflow: via induction

Edge trimming in line -- prior to coating

Type of Computer Controls: General Electric Process Control
Reduced Process Variability
EDI capable

Shipment Modes: Truck/Rail/Barge

Packaging: Stretch Wrap

Attachment 4

Exhibit not susceptible to public summary.